

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4357	(ion adj trap) and ions	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/01/22 11:06
L2	475	L1 and (neutral near4 gas)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/01/22 11:05
L3	153	L2 and (collision adj cell)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/01/22 11:05
L4	40	L3 and (quadrupol\$3 adj field)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/01/22 11:05
L5	24	L4 and (collision near4 dissociation)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/01/22 11:06
L6	2	((ion adj trap) and ions and (neutral near4 gas) and (collision adj cell) and (quadrupol\$3 adj field) and (collision near4 dissociation) and electrode).clm.	US-PGPUB	OR	ON	2007/01/22 11:10
S1	3645	(ion adj trap) and ions	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:34
S2	404	S1 and (neutral near4 gas)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:35
S3	133	S2 and (collision adj cell)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:36
S4	35	S3 and (quadrupol\$3 adj field)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:37
S5	21	S4 and (collision near4 dissociation)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:41

## EAST Search History

S6	4	S5 and (alternating adj (signal or voltage))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 11:44
S7	16	("2003018" "20030189171" "20040011956" "4861988" "4963736" "5248875" "5679950" "6111250" "6121607" "6177668" "6483109" "6504148" "6703607" "6720554" "RE36906"). PN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:55
S8	9	Londry-Frank.IN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:50
S9	8	Collings-Bruce-A.IN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:50
S10	4	S8 and S9	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:50
S11	25	"5576540"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/04/17 09:56
S12	3946	(ion adj trap) and ions	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/08/17 09:30
S13	445	S12 and (neutral near4 gas)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/08/17 09:30
S14	148	S13 and (collision adj cell)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/08/17 09:30
S15	40	S14 and (quadrupol\$3 adj field)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/08/17 09:30
S16	24	S15 and (collision near4 dissociation)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/08/17 09:30

## EAST Search History

S17	5	S16 and (alternating adj (signal or voltage))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/08/17 09:31
S18	89	(penning adj trap)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 15:02
S19	77	S18 and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 15:02
S21	30	S19 and (DC adj (potential or voltage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 15:03
S22	30	S21 and ion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 15:03
S23	0	S22 and (axial adj constrain\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 15:04
S24	20	S22 and axial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 15:44
S25	4015	(ion adj trap) and ions	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 11:45
S26	451	S25 and (neutral near4 gas)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 11:45

## EAST Search History

S27	148	S26 and (collision adj cell)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 11:45
S28	40	S27 and (quadrupol\$3 adj field)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 11:45
S29	24	S28 and (collision near4 dissociation)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/01/22 11:05
S30	5	S29 and (alternating adj (signal or voltage))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 12:09